

What is Claimed is:

1. A spectacles set comprising a primary spectacle frame and a detachable shelter frame adapted for detachably mounting in front of said primary spectacle frame, wherein:

5       said primary spectacle frame comprising a frame body for mounting a pair of lenses in position, wherein said frame body comprises a primary bridge connected between said two lenses, two nose supports extended from two inner sides of said lenses respectively, and two side extensions provided at two outer sides of said lenses for coupling a pair of temples respectively;

10       each of said nose supports comprising a supporting member and an extension arm, having magnetic attraction ability, which has a distal end portion extended from said supporting member and a root end portion extended from said inner side of said respective lens; and

15       said detachable shelter frame comprising a shelter frame for supporting two auxiliary lenses and a pair of magnetic attachment arrangements connected to said shelter frame, wherein each of said magnetic attachment arrangements comprises a supporting arm extending rearwardly from an inner side of said shelter frame towards said respective extension arm and a magnetic seat which is connected to said supporting arm and extended to magnetically attach said respective extension arm of said primary spectacle  
20       frame so as to securely hold said shelter frame in front of said primary spectacle frame.

2. The spectacles set, as recited in claim 1, wherein each of said extension arms is bent to form an angled shoulder portion between said distal end portion and said root end portion, wherein each of said shoulder portions forms a top engaging platform such that said magnetic seats are magnetically engaged on said top engaging platforms  
25       respectively.

3. The spectacles set, as recited in claim 2, wherein said two supporting arms, each having a L-shaped, are rearwardly extended from said shelter frame to ride on said primary bridge, wherein said two magnetic seats comprises a magnetic housing extended from a rear end of said respective supporting arm towards said respective

extension arm and a magnet mounted in said magnetic housing which is arranged to face toward and align with said top engaging platform of said respective extension arm of said nose support when said detachable shelter frame is mounted in front of said primary spectacle frame.

5           4.    The spectacles set, as recited in claim 2, wherein said two supporting arms are integrally extended from said shelter frame to form a shelter bridge to ride on said primary bridge, wherein said two magnetic seats comprises a magnetic housing rearwardly extended from said shelter bridge towards said respective extension arm and a magnet mounted in said magnetic housing which is arranged to face toward and align  
10 with said top engaging platform of said respective extension arm of said nose support when said detachable shelter frame is mounted in front of said primary spectacle frame.

          5.    The spectacles set, as recited in claim 1, wherein each of said magnetic seats comprises a magnetic housing downwardly extended from said respective supporting arm and a magnet mounted in said magnetic housing, which is arranged to  
15 frontwardly face towards and align with said distal end portion of said respective nose support when said detachable shelter frame is mounted in front of said primary spectacle frame.

          6.    The spectacles set, as recited in claim 5, wherein each said magnet has a thickness smaller than a depth of said respective magnetic housing so as to define an  
20 engaging groove when said magnet is embedded in said magnetic housing for fittedly engaging with said distal end portion of said respective nose support.

          7.    The spectacles set, as recited in claim 6, wherein said distal end portion of each of said extension arms forms as an engaging member extended rearwardly, wherein each of said engaging members is fittedly received in said engaging groove of said  
25 respective magnetic seat so as to alignedly guide said magnetic seats to magnetically engage with said extension arms respectively.

          8.    The spectacles set, as recited in claim 1, wherein each of said magnetic seats comprises a magnetic housing rearwardly extended from said respective supporting arm and a magnet mounted in said magnetic housing, which is arranged to rearwardly  
30 face towards and align with said distal end portion of said respective nose support when said detachable shelter frame is mounted in front of said primary spectacle frame.

9. The spectacles set, as recited in claim 8, wherein each said magnet has a thickness smaller than a depth of said respective magnetic housing so as to define an engaging groove when said magnet is embedded in said magnetic housing for fittedly engaging with said distal end portion of said respective nose support.

5 10. The spectacles set, as recited in claim 9, wherein said distal end portion of each of said extension arms forms as an engaging member extended frontwardly, wherein each of said engaging members is fittedly received in said engaging groove of said respective magnetic seat so as to alignedly guide said magnetic seats to magnetically engage with said extension arms respectively.

10 11. The spectacles set, as recited in claim 1, wherein each of said nose supports has a shoulder portion formed at a front side of said respective extension arm between said distal end portion and said root portion, wherein said shoulder portions of said nose supports are facing frontwardly to magnetically engage with said magnetic seats respectively.

15 12. The spectacles set, as recited in claim 11, wherein each of said magnetic seats comprises a magnetic housing, having a U-shaped cross section, rearwardly and suspendedly extended from said respective supporting arm and a magnet mounted in said magnetic housing, which is arranged to face towards and align with said shoulder portion of said respective nose support when said detachable shelter frame is mounted in front of  
20 said primary spectacle frame.

25 13. The spectacles set, as recited in claim 12, wherein each said magnet has a thickness smaller than a depth of said respective magnetic housing so as to define an engaging groove between two sidewalls of said magnetic housing when said magnet is embedded in said magnetic housing for fittedly engaging with said shoulder portion of said respective nose support.

30 14. The spectacles set, as recited in claim 11, wherein said two supporting arms are rearwardly and inclinedly extended from two lower portions of two inner sides of said shelter frame respectively towards said shoulder portions of said extension arms of said nose supports so as to alignedly guide said magnetic seats to magnetically engage with said shoulder portions of said nose supports respectively.

15. The spectacles set, as recited in claim 13, wherein said two supporting arms are rearwardly and inclinedly extended from two lower portions of two inner sides of said shelter frame respectively towards said shoulder portions of said extension arms of said nose supports so as to alignedly guide said magnetic seats to magnetically engage with said shoulder portions of said nose supports respectively.

16. The spectacles set, as recited in claim 1, wherein each of said nose supports has a shoulder portion formed at a front side of said respective extension arm between said distal end portion and said root end portion, wherein said shoulder portions of said nose supports are facing rearwardly to magnetically engage with said magnetic seats respectively.

17. The spectacles set, as recited in claim 16, wherein each of said magnetic seats comprises a magnetic housing, having a U-shaped cross section, rearwardly and suspendedly extended from said respective supporting arm and a magnet mounted in said magnetic housing, which is arranged to frontwardly face towards and align with said shoulder portion of said respective nose support when said detachable shelter frame is mounted in front of said primary spectacle frame.

18. The spectacles set, as recited in claim 17, wherein said magnet has a thickness smaller than a depth of said respective magnetic housing so as to define an engaging groove between two sidewalls of said magnetic housing when said magnet is embedded in said magnetic housing for fittedly engaging with said shoulder portion of said respective nose support.

19. The spectacles set, as recited in claim 16, wherein each of said magnetic seats comprises a magnetic housing, having a U-shaped cross section, rearwardly and suspendedly extended from said respective supporting arm to define an engaging groove between two sidewalls of said magnetic housing for fittedly engaging with said shoulder portion of said respective nose support, and two magnets respectively mounted at said sidewalls of said respective magnetic housing to magnetically engage said shoulder portion of said respective nose support within said engaging groove when said detachable shelter frame is mounted in front of said primary spectacle frame.

20. The spectacles set, as recited in claim 16, wherein each of said magnetic seats comprises a magnetic housing, having a U-shaped cross section, rearwardly and

suspendedly extended from said respective supporting arm to define an engaging groove between two sidewalls of said magnetic housing for fittedly engaging with said shoulder portion of said respective nose support, and a magnet mounted at a rear wall of said respective magnetic housing to magnetically engage said shoulder portion of said  
5 respective nose support within said engaging groove when said detachable shelter frame is mounted in front of said primary spectacle frame.